## **IN THE CLAIMS:**

1. – 5. (CANCELLED)

- 6. (Previously Presented) A method of claiming ownership of a disk by a network device
- in a network storage system comprising the steps of:
- writing ownership information to a predetermined area of the disk; and
- setting a small computer system interface persistent reservation tag to a state of
- 5 network device ownership.
- 7. (ORIGINAL) The method of claim 6 wherein the ownership information further com-
- 2 prises a serial number of a network device.
- 8. (ORIGINAL) The method of claim 6, wherein the network device comprises a file
- 2 server.
- 9. (Previously Presented) A network storage system comprising:
- a plurality of network devices;
- one or more switches, each network device connected to at least one of the one or
- 4 more switch; and
- a plurality of disks having a first ownership attribute written to a predetermined
- area of the disk and a second ownership attribute in the form of a small computer system

- 7 interface persistent reservation tag, each disk connected to at least one of the plurality of
- 8 switches.
- 1 10. (CANCELLED)
- 1 11. (Previously Presented) The network storage system of claim 9, wherein the small
- 2 computer system interface persistent reservation tag is a small computer system interface
- level 3 persistent reservation tag.
- 1 12. (Previously Presented) The networked storage system of claim 9, wherein the small
- 2 computer system interface 3 persistent reservation tag is set such that only the network
- device may write to the disk.
- 13. (Previously Presented) The network storage system of claim 9, wherein the first
- 2 ownership attribute further comprises a serial number of the network device that owns
- 3 that particular disk.
- 14. (Previously Presented) The network storage system of claim 9, wherein each of the
- 2 plurality of file servers can read data from each of the plurality of disks.
- 15. (Previously Presented) The network storage system of claim 9, wherein only a net-
- work device that owns one of the plurality of disks can write data to the one disk.

- 1 16. (ORIGINAL) The network storage system of claim 9, wherein the network devices
- 2 comprise file servers.
- 1 17. (Previously Presented) A network storage system comprising:
- one or more switches;
- a plurality of disks; and
- means for writing ownership information to a predetermined area of a disk; and
- means for setting a small computer system interface level 3 persistent reservation
- 6 tag of a disk.
- 1 18. (CANCELLED)
- 19. (ORIGINAL) The network storage system of claim 17, wherein the network devices
- 2 comprise file servers.
- 20. (Previously Presented) A network storage system comprising:
- one or more switches interconnected to form a switching fabric;
- a plurality of disks, each of the disks connected to at least one of the switches,
- each disk storing a first ownership attribute to a predetermined area of a disk and
- each disk associated with a second ownership attribute in the form of a small
- 6 computer system interface persistent reservation; and
- one or more network devices, interconnected with the switching fabric, each of
- 8 the network devices being adapted to own a predetermined set of disks of the plurality of
- 9 disks through use of the first and second ownership attributes.

- 1 21. (CANCELLED)
- 1 22. (CANCELLED)
- 23. (Previously Presented) The network storage system of claim 20, wherein the first
- ownership attribute further comprises a serial number of one of the one or more network
- 3 devices.
- 1 24. (Previously Presented) The network storage system of claim 20, wherein the small
- 2 computer system interface persistent reservation is a small computer system interface
- 3 level 3 persistent reservation.
- 25. (ORIGINAL) The network storage system of claim 20, wherein each of the network
- devices further comprises a disk ownership table, the disk ownership table containing
- ownership data for each of the disks.
- 26. (ORIGINAL) The network storage system of claim 25, wherein the ownership table
- 2 further comprises a world wide name for each of the disks, the world wide name being
- 3 used for identification of each of the disks.

- 27. (Previously Presented) A computer-readable medium, including program instructions
- 2 executing on network device, for performing the steps of:
- writing ownership information to a predetermined area of a disk; and
- setting a small computer system interface persistent reservation tag to a state of
- 5 network device ownership.
- 28. (PREVIOUSLY PRESENTED) A method for a network device to manage owner-
- ship of one or more storage devices in a network storage system, comprising the steps of:
- reading ownership information from a predetermined area of each storage device;
- in response to reading the ownership information, creating an ownership table that
- identifies the one or more storage devices owned by the network device;
- reading a small computer system interface (SCSI) level 3 persistent reservation
- 7 tag from each storage device;
- comparing the SCSI level 3 persistent reservation tag to the ownership informa-
- 9 tion of the same storage device and, if there is not a match, changing the SCSI level 3
- persistent reservation tag to match the ownership information; and
- configuring the one or more storage devices identified in the ownership table into
- at least one volume for use by the network device.
- 29. (PREVIOUSLY PRESENTED) The method of claim 28 further comprising:
- setting ownership information at the predetermined area of each storage device.
- 30. (PREVIOUSLY PRESENTED) The method of claim 28 wherein the step of con-
- 2 figuring further comprises:
- organizing the one or more storage devices into at least one Redundant Array of
- 4 Independent Disks (RAID) group.

- 1 31. (PREVIOUSLY PRESENTED) The method of claim 28 further comprising:
- wherein the predetermined area of the one or more storage devices is sector zero
- of the one or more storage devices.
- 32. (PREVIOUSLY PRESENTED) The method of claim 28 further comprising:
- wherein the ownership information is a serial number of the network device that
- owns that particular storage device.
- 1 33. (PREVIOUSLY PRESENTED) The method of claim 28 further comprising:
- wherein the ownership table includes a world wide name for each of the storage
- devices, the world wide name being used to identify each of the storage devices.
- 1 34. (PREVIOUSLY PRESENTED) A network device for managing ownership of one
- or more storage devices in a network storage system, comprising the steps of:
- means for reading ownership information from a predetermined area of each stor-
- 4 age device;
- in response to reading the ownership information, means for creating an owner-
- ship table that identifies the one or more storage devices owned by the network device;
- means for reading a small computer system interface (SCSI) level 3 persistent res-
- 8 ervation tag from each storage device;
- means for comparing the SCSI level 3 persistent reservation tag to the ownership
- information of the same storage device and, if there is not a match, changing the SCSI
- level 3 persistent reservation tag to match the ownership information; and

means for configuring the one or more storage devices identified in the ownership table into at least one volume for use by the network device.

- 1 35. (PREVIOUSLY PRESENTED) A computer readable medium containing executable
- 2 program instructions for managing ownership of one or more storage devices in a net-
- work storage system, the executable program instructions comprising program instruc-
- 4 tions for:
- reading ownership information from a predetermined area of each storage device;
- in response to reading the ownership information, creating an ownership table that
- 7 identifies the one or more storage devices owned by the network device;
- reading a small computer system interface (SCSI) level 3 persistent reservation
- y tag from each storage device;
- comparing the SCSI level 3 persistent reservation tag to the ownership informa-
- tion of the same storage device and, if there is not a match, changing the SCSI level 3
- persistent reservation tag to match the ownership information; and
- configuring the one or more storage devices identified in the ownership table into
- at least one volume for use by the network device.
- 1 36. (PREVIOUSLY PRESENTED) A network storage system, comprising:
- one or more storage devices, each storage device having a predetermined area for
- 3 storing ownership information and each storage device having a small computer system
- 4 interface (SCSI) level 3 persistent reservation tag;
- at least one network device having an ownership table constructed based upon
- 6 the ownership information from each storage device;
- the at least one network device having an ownership layer for comparing the SCSI
- level 3 persistent reservation tag to the ownership information of the same storage device

- and, if there is not a match, changing the SCSI level 3 persistent reservation tag to match
- the ownership information; and
- the at least one network device having a disk storage layer for configuring the one
- or more storage devices identified in the ownership table into at least one volume for use
- 3 by the network device.
- 1 37. (PREVIOUSLY PRESENTED) The network storage system of claim 36 further
- 2 comprising:
- the ownership layer adapted to set ownership information at the predetermined
- 4 area of each storage device.
- 1 38. (PREVIOUSLY PRESENTED) The network storage system of claim 36 further
- 2 comprising:
- the disk storage layer organizing the one or more storage devices into at least one
- 4 Redundant Array of Independent Disks (RAID) group.
- 1 39. (PREVIOUSLY PRESENTED) The network storage system of claim 36 further
- 2 comprising:
- wherein the predetermined area of the one or more storage devices is sector zero
- 4 of the one or more storage devices.
- 40. (PREVIOUSLY PRESENTED) The network storage system of claim 36 further
- 2 comprising:
- wherein the ownership information is a serial number of the network device that
- 4 owns that particular storage device.

- 41. (PREVIOUSLY PRESENTED) The network storage system of claim 36 further
- 2 comprising:
- wherein the ownership table includes a world wide name for each of the storage
- devices, the world wide name being used to identify each of the storage devices.
- 42. (Previously Presented) The method of claim 6 wherein the small computer system
- 2 interface persistent reservation tag and the ownership information at the predetermined
- area of the disk indicate ownership by the same network device.
- 1 43. (Previously Presented) The method of claim 6 wherein the small computer system
- 2 interface persistent reservation tag is a small computer system interface level 3 persistent
- 3 reservation tag.
- 44. (Previously Presented) A method for a network device to manage ownership of one
- or more storage devices in a network storage system, comprising the steps of:
- reading ownership information from a predetermined area of each storage device;
- accessing a small computer system interface (SCSI) persistent reservation tag as-
- 3 sociate with each storage device;
- 4 comparing the SCSI persistent reservation tag to the ownership information of the
- same storage device and, if there is not a match, changing the SCSI persistent reservation
- 6 tag to match the ownership information; and
- configuring the one or more storage devices for use by the network device.

- 45. (Previously Presented) The method of claim 44 wherein the small computer system
- interface (SCSI) persistent reservation tag is a small computer system interface level 3
- 3 (SCSI-3) persistent reservation tag.
- 1 46. (Previously Presented) The method of claim 44 further comprising:
- in response to reading the ownership information, creating an ownership table on
- the network device that identifies the one or more storage devices owned by the network
- 3 device; and
- using the ownership table to configure the one or more storage devices into at
- 5 least one volume.
- 1 47. (Previously Presented) The method of claim 44 further comprising:
- setting ownership information at the predetermined area of each storage device.
- 48. (Previously Presented) The method of claim 44 further comprising:
- wherein the predetermined area of the one or more storage devices is sector zero
- of the one or more storage devices.
- 49. (Previously Presented) A network storage system, comprising:
- means for reading ownership information from a predetermined area of each stor-
- 3 age device;
- means for accessing a small computer system interface (SCSI) persistent reserva-
- 5 tion tag associate with each storage device;
- 6 means for comparing the SCSI persistent reservation tag to the ownership infor-
- 7 mation of the same storage device and, if there is not a match, changing the SCSI persis-
- tent reservation tag to match the ownership information; and

means for configuring the one or more storage devices for use by the network de-9 vice. 10 50. (Previously Presented) A computer readable medium containing executable program 1 instructions for manage ownership of one or more storage devices, the executable pro-2 gram instructions comprising program instructions for: 3 reading ownership information from a predetermined area of each storage device; 4 accessing a small computer system interface (SCSI) persistent reservation tag as-5 sociate with each storage device; 6 comparing the SCSI persistent reservation tag to the ownership information of the 7 same storage device and, if there is not a match, changing the SCSI persistent reservation 8 tag to match the ownership information; and

configuring the one or more storage devices for use by the network device.

9

10